AMENDMENT TO THE CLAIMS

1. (Currently Amended) A standardized data representation that is encoded on a computer-readable storage medium and that represents an object-relational data model, the standardized data representation being configured to support an automatic derivation of a dimensional data model that corresponds to the object-relational data model, and wherein the standardized data representation includes a description of at least one focal point that represents a point of analysis relative to data in the object-relational data model.

2. (Original) The standardized data representation of claim 1, wherein the standardized data representation enables the object-relational data model to be specified and decorated with metadata so as to support the derivation of the dimensional model.

3. (Original) The standardized data representation of claim 1, wherein the standardized data representation is configured to be processed by a processing engine that is adapted to autonomously derive the dimensional model.

4. (Original) The standardized data representation of claim 1, wherein the standardized data representation includes a description of objects and object relationships reflected in the object-relational data model.

5. (Original) The standardized data representation of claim 1, wherein the standardized data representation includes a description of persistent data store mappings associated with the object-relational data model.

6. (Canceled)

7. (Original) The standardized data representation of claim 1, wherein the standardized data representation includes:

a description of objects and object relationships reflected in the object-relational data model; and

a description of persistent data store mappings associated with the object-relational data model.

8. (Canceled)

9. (Original) The standardized data representation of claim 1, wherein the standardized representation comprises a description of at least one data element selected from a group consisting of a class from the object-relational data model, a data member associated with a class from the object-relational data model, a collection of object-relational mappings that specify how data is retrieved from a relational database, a field that uniquely identifies a class from the object-relational data model, an association relationship indicator that identifies a relationship among classes in the object-relational data model, a composition relationship indicator that identifies a relationship among classes in the object-relational data model, and a measure that identifies an interesting numerical value used for generation of the dimensional model.

10. (Currently Amended) A tagged format data schema that is encoded on a computer-readable storage medium and that represents an object-relational data model, the tagged format data schema being configured to support an automatic derivation of a dimensional data model that corresponds to the object-relational data model, and wherein the tagged format data schema includes a description of persistent data store mappings associated with the object-relational data model.

11. (Original) The schema of claim 10, wherein the schema includes a tag used to indicate a class in the object-relational data model.

12. (Original) The schema of claim 10, wherein the schema includes a tag for indicating a data member associated with a class in the object-relational data model.

13. (Original) The schema of claim 10, wherein the schema includes means for indicating a collection of object-relational mappings that specify how a data member associated with a class in the object-relational data model can be filled with data retrieved from at least one table in a relational database.

14. (Original) The schema of claim 10, wherein the schema includes a tag for indicating a key field that uniquely identifies a class included in the object-relational data model.

15. (Original) The schema of claim 10, wherein the schema includes a tag for indicating a name field that uniquely identifies an instance of a class included in the object-relational data model.

16. (Original) The schema of claim 10, wherein the schema includes a tag for indicating an association relationship among multiple classes in the object-relational data model.

17. (Original) The schema of claim 10, wherein the schema includes a tag for indicating a composition relationship among multiple classes in the object-relational data model.

18. (Original) The schema of claim 10, wherein the schema includes a tag for indicating a measure, a measure being an interesting numerical value used for generation of the dimensional model.

19. (Original) The schema of claim 10, wherein the schema enables the object-relational data model to be specified and decorated with metadata so as to support the derivation of the dimensional model.

20. (Original) The schema of claim 10, wherein the schema is configured to be processed by a processing engine that is adapted to autonomously derive the dimensional model.

21. (Original) The schema of claim 10, wherein the schema includes a description of objects and object relationships reflected in the object-relational data model.

22. (Canceled)

23. (Original) The schema of claim 10, wherein the schema includes a description of at least one focal point that represents a point of analysis indicated in association with data in the object-relational data model.

24. (Canceled)

25. (Canceled)

26. (Original) The schema of claim 10, wherein the schema comprises a description of at least one data element selected from a group consisting of a class from the object-relational data model, a data member associated with a class from the object-relational data model, a collection of object-relational mappings that specify how data is retrieved from a relational database, a field that uniquely identifies a class from the object-relational data model, an association relationship indicator that identifies a relationship among classes in the object-relational data model, a composition relationship indicator that identifies a relationship among classes in the object-relational data model, and a measure that identifies an interesting numerical value used for generation of the dimensional model.

27. (Currently Amended) An XML data schema that is encoded on a computer-readable storage medium and that represents an object-relational data model, the XML data schema being configured to support an automatic derivation of a dimensional data model that corresponds to the object-relational data model, and wherein the XML data schema includes an indication of a

collection of object-relational mappings that specify how a data member associated with a class in the object-relational data model can be filled with data retrieved from at least one table in a relational database.

28. (Original) The schema of claim 27, wherein the schema includes a tag used to indicate a class in the object-relational data model.

29. (Original) The schema of claim 27, wherein the schema includes a tag for indicating a data member associated with a class in the object-relational data model.

30. (Canceled)

31. (Previously Presented) The schema of claim 27, wherein the schema includes a tag for indicating a key field that uniquely identifies a class included in the object-relational data model.

32. (Previously Presented) The schema of claim 27, wherein the schema includes a tag for indicating a name field that uniquely identifies an instance of a class included in the object-relational data model.

33. (Previously Presented) The schema of claim 27, wherein the schema includes a tag for indicating an association relationship among multiple classes in the object-relational data model.

34. (Previously Presented) The schema of claim 27, wherein the schema includes a tag for indicating a composition relationship among multiple classes in the object-relational data model.

35. (Previously Presented) The schema of claim 27, wherein the schema includes a tag for indicating a measure, a measure being an interesting numerical value used for generation of the dimensional model.

36. (Previously Presented) The schema of claim 27, wherein the schema enables the object-relational data model to be specified and decorated with metadata so as to support the derivation of the dimensional model.

37. (Previously Presented) The schema of claim 27, wherein the schema comprises a description of at least one data element selected from a group consisting of a class from the object-relational data model, a data member associated with a class from the object-relational data model, a collection of object-relational mappings that specify how data is retrieved from a relational database, a field that uniquely identifies a class from the object-relational data model, an association relationship indicator that identifies a relationship among classes in the object-relational data model, a composition relationship indicator that identifies a relationship among classes in the object-relational data model, and a measure that identifies an interesting numerical value used for generation of the dimensional model.

38. (Canceled)

39. (Canceled)